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# CURRICULUM VITAE

## Anne E. Castro MD

**Assistant Professor**
**Department of Anesthesiology**

**OFFICE ADDRESS:**

9200 West Wisconsin Avenue

Milwaukee, WI 53226

**EDUCATION:**

08/2003 - 05/2007 BA, magna cum laude, University of Notre Dame
08/2010 - 06/2015 MD, The University of Chicago Pritzker School of Medicine

**POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

06/2015 - 07/2019 Resident, Department of Anesthesiology and Critical Care, Duke University Medical Center, Durham, NC
07/2019 - 09/2020 Fellow in Regional Anesthesiology and Acute Pain Medicine, Department of Anesthesiology and Critical Care, Division of Regional Anesthesiology, Duke University Medical Center, Durham, NC

**FACULTY APPOINTMENTS:**

10/2020 - Present Assistant Professor, Department of Anesthesiology, Division of Regional Anesthesia, The Medical College of Wisconsin, Milwaukee, WI

**EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:**

06/2018 - 06/2019 Education Co-Chief Resident, Department of Anesthesia and Critical Care, Duke Anesthesiology Residency Program, Duke University Medical Center, Durham, NC
12/2020 - 08/2025 Curriculum Champion/Director of Regional Anesthesiology Rotation, Department of Anesthesia, Division of Regional Anesthesia and Acute Pain Medicine, Medical College of Wisconsin, Milwaukee, WI

**HOSPITAL STAFF PRIVILEGES:**

10/2020 - Present Froedtert Surgery Center, 840 N. 87th Street, Milwaukee, WI 53226
10/2020 - Present Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

**SPECIALTY BOARDS AND CERTIFICATION:**

| Board Certified | Issue Date | Expiration |
|---|---|---|
| American Board of Anesthesiology | 04/2021 | None |

| Certificates | Issued By | Issue Date | Expiration |
|---|---|---|---|
| BLS | AHA | 08/2020 | 08/2026 |
| ACLS | AHA | 08/2020 | 08/2026 |
| PALS | AHA | 08/2020 | 08/2026 |

| Licensure | Number | Issue Date | Expiration |
|---|---|---|---|
| Wisconsin License | 73315-20 | 05/18/2020 | 10/31/2026 |

**AWARDS AND HONORS:**

05/2007 Sigma Tau Delta, English Honor Society
05/2007 Pi Delta Phi, French Honor Society
08/2011 University of Chicago Pritzker School of Medicine Dean's Promise Scholarship
06/2015 Alpha Omega Alpha
06/2015 Gold Humanism Honor Society
09/2017 American Society of Anesthesiologists (ASA) Annual Meeting Foundation for Anesthesia Education and Research (FAER) Duke Anesthesiology Resident Scholar, Nominee

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

08/2012 - 06/2015 Student Scholar, The Bucksbaum Institute for Clinical Excellence (University of Chicago Pritzker School of Medicine)
06/2015 - Present Gold Humanism Honor Society
06/2015 - Present Alpha Omega Alpha Medical Honor Society
06/2015 - Present American Society of Anesthesiologists
08/2019 - Present American Society for Regional Anesthesia
01/2021 - Present Society for Education in Anesthesia
01/2022 - 01/2023 Society of Cardiovascular Anesthesiologists
10/2025 - Present Society of Obstetric Anesthesia and Perinatology

**EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

Ad-Hoc Reviewer
2021 British Medical Journal Case Reports
2021 Anesthesia Toolbox, Acute Pain Basic Week 3 Quiz
2024 Anesthesia and Analgesia Practice
2025 Anesthesia and Analgesia Practice
2025 Pain Research and Management
2026 Journal of Thoracic Disease
2026 Anesthesia and Analgesia Practice

**LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

08/2016 - 06/2019 Appointed Representative, Duke Graduate Medical Education Patient Safety and Quality Committee, Duke University Medical Center
01/2021 - 01/2022 Member, Clinical Competency Committee, Anesthesiology Residency Program, Medical College of Wisconsin
10/2021 - 04/2022 Member, Advancing a Healthier Wisconsin Endowment Grant Review Committee, Medical College of Wisconsin
01/2022 - Present Co-Chair, Clinical Competency Committee, Anesthesiology Residency Program, Medical College of Wisconsin
07/2023 - Present Member, Clinical Competency Committee, RAAPS Fellowship, Medical College of Wisconsin
10/2024 - 04/2025 Member, Advancing a Healthier Wisconsin Endowment Grant Review Committee, Medical College of Wisconsin
10/2025 - 04/2026 Member, Advancing a Healthier Wisconsin Endowment Grant Review Committee, Medical College of Wisconsin

**RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

**Active**

**Non-Peer Review**

Title: A Comparison of Three Regional Anesthesia Techniques for Breast Reconstruction Using Deep Inferior Epigastric Perforator (DIEP) Flap Surgeries: A Retrospective Review

| | |
|---|---|
| Role & Effort: | Co-PI |
| Dates: | 04/2024 - Present |
| Title: | Serratus Anterior Plane Block Versus Rectus Sheath Block in Rib Fracture Analgesia: A Retrospective Review |
| Role & Effort: | PI |
| Dates: | 10/2024 - Present |

**Prior**

**Peer Review**

| | |
|---|---|
| Title: | Community Outreach as a Core Component of Professional Development in Medical Education |
| Source: | Advancing a Healthier Wisconsin Foundation |
| Role & Effort: | Co-PI, 0.05% |
| PI: | Anne Castro, Stacy Fairbanks |
| Dates: | 07/01/2022 - 06/30/2025 |
| Direct Funds: | $200,000 |

**Non-Peer Review**

| | |
|---|---|
| Title: | Practitioner Experience and Risk of Nerve Injury in Interscalene and Supraclavicular Blocks: A Retrospective Review |
| Role & Effort: | PI |
| Dates: | 2022 - 2024 |
| Title: | A Comparison of the Analgesic Effects of Pectointercostal Fascial Plane Block (PIFB) Alone versus PIFB with Rectus Sheath Block (RSB) in Cardiac Surgery: A Prospective Randomized Control Trial |
| Role & Effort: | Co-PI |
| Dates: | 2023 - 2024 |

**INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

**National**

Anne Castro, Ultrasound-Guided Regional Anesthesia Workshop, New York School of Regional Anesthesia, Tampa, Florida, 04/30/2022 - 05/01/2022

Anne Castro, Ultrasound-Guided Regional Anesthesia Workshop, New York School of Regional Anesthesia, Houston, Texas, 09/2023

**Local**

Anne Castro, Systemic Lidocaine for Pain, Wisconsin Society for Perianesthesia Nurses, Medical College of Wisconsin, 05/22/2021

Anne Castro, Acute Pain in the Trauma/ACS Patient, Annual Trauma/ACS APP Retreat, Medical College of Wisconsin, 02/05/2024

**PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

**International**

Simenz C, Treat R, De Santis J, Fairbanks S, Zundel T, Willie C, Castro AL, Malinowski M, Nelson D., Promotion of Equity-focused Medical Practice via Community Engagement across Medical Residency

Programs, International Association of Medical Science Educators, Minneapolis, MN, 06/01/2024

Treat R, DeSantis J, Nelson D, Fairbanks S, Zundel T, Willie C, Simenz C, Castro AL, Malinowski M, Changing Resident Perceptions of Health Disparities with Structured Community Engagement., Association of Medical Education in Europe Annual Conference, Basel, Switzerland, 08/26/2024 - 08/28/2024

**National**

Castro AL, Gustafson E, Ford A, Smith D, Hunter S, Karnik N, Psychiatric Disorders, Substance Use, and Chronicity of Homelessness in Youth in Chicago, American Academy of Child and Adolescent Psychiatry (AACAP) 59th Annual Meeting, San Francisco, CA, 10/01/2012

Castro AL, Tung A, Sun L, Glick D., Another tale of the top 1%: The Relationship Between Adherence to 2014 Surgical Care Improvement Project Outcome Measures and Post-operative Complications., American Society of Anesthesiologists Annual Meeting, San Francisco, CA, 10/01/2015

Castro AL, Manning EL., A Case of Perioperative Stent Thrombosis: Challenges in Clinical Decision Making and Care Coordination, American Society of Anesthesiologists Annual Meeting, San Francisco, CA, 10/01/2018

Griebel T, Castro AL., Anesthesia for pacemaker removal and replacement using paravertebral and superficial cervical plexus blocks in a 91 year-old female with multiple comorbidities., American Society of Regional Anesthesia Annual Meeting, Orlando, CA, 05/01/2021

Lorenz J, Castro AL, Thapa R, Zdanovec A, Fadumiye C, Superficial cervical plexus block for extracorporeal membrane oxygenation cannulation for Covid-19-induced respiratory failure, American Society of Regional Anesthesia Annual Meeting, Orlando, FL, 05/01/2021

Castro AL, Dyara O, Zundel T, Fairbanks S, Workshop: Starting out right: how to create a professional development rotation for PGY-1 anesthesia residents, Society for Education in Anesthesia Fall Meeting, Chicago, IL, 11/04/2021

Tang R, Castro AL, Weikel D, Bullock M, The Choice of Opioid Infusion for Thoracolumbar Spine Surgery and Long-term Opioid Use, American Society of Regional Anesthesia and Acute Pain Meeting, Las Vegas, NV, 04/01/2022

Fairbanks S, Stebbins E, Castro A, Mahoney E, Resident Remediation – How Can We Help Residents with Difficulties?, Society for Education in Anesthesia Fall Annual Conference, Chicago, IL, 11/01/2022

De Santis J, Castro AL, Treat R, Malinowski M, Nelson D, Fairbanks S, Willie C, Zundel T, Simenz C, Community Outreach as a core component in medical education: A two-year pilot initiative, Innovations in Medical Education Online Conference., Online; Los Angeles, CA, 02/16/2024

Simenz C, Treat R, De Santis R, Fairbanks S, Zundel T, Willie C, Castro AL, Malinowski M, Nelson D, Promotion of Equity-Focused Medical Practice via Community Engagement across Medical Residency Programs, International Association of Medical Science Educators, Minneapolis, MN, 06/2024

Rodriguez G, Castro AL, The Anesthetic Maze: Unraveling Pseudocholinesterase Deficiency in a Patient with IgA Vasculitis, American Society of Anesthesiologists Annual Meeting, Philadelphia, PA, 10/20/2024

Qureshi A, Castro AL, A Case Report of Phrenic Nerve Block for Intractable Hiccups., American Society of Anesthesiologists Annual Meeting, Philadelphia, PA, 10/21/2024

De Santis J, India L, Muravyeva M, Castro, AL, Using the think aloud method for improving self-regulated learning, Society for Education in Anesthesia Fall Meeting, Chicago, IL, 11/07/2024

Castro AL, Treat R, Malinowski M, Fairbanks S, Simenz C, Willie C, Zundel T, Georgeades C, De Santis J, Community Outreach-Based Healthcare Disparities Curriculum Integrated into Professional Development for Graduate Medical Education Trainees: A Mixed-Methods Analysis of Pilot Year One, AAMC Learn Serve Lead Annual Conference, Atlanta, GA, 11/12/2024

Feleke H, Szabo A, Castro AL, Practitioner Experience and Risk of Nerve Injury in Interscalene and Supraclavicular Blocks: A Retrospective Review, Annual Regional Anesthesiology and Acute Pain Medicine Spring Meeting, 05/2025

Castro AL, Makker H, Pagryzinski A, Jensen A, Fadumiye C, Qureshi A, Thapa R, Gonzalez L, Weierstahl K, Traudt R, Freed J, Pectointercostal Fascial Plane Block with or without Rectus Sheath Block in Cardiac Surgery: Double-Blind Prospective Randomized Controlled Trial, Annual Regional Anesthesiology and Acute Pain Medicine Spring Meeting, Orlando, FL, 05/2025

**Regional**

De Santis J, Treat J, Malinowski M, Zundel T, Fairbanks S, Willie C, Simenz C, Nelson D, Castro A, Community Outreach in Graduate Medical Education Curriculum and the Impact on the Perceptions of

Residents on Careers in Healthcare., Central Group on Educational Affairs Regional Conference, Milwaukee, WI, 04/03/2024 - 04/05/2024

**Local**

Castro AL, Gustafson E, Ford A, Smith D, Hunter S, Karnik N., Psychiatric Disorders, Substance Use, and Chronicity of Homelessness in Youth in Chicago., Bucksbaum Institute for Clinical Excellence, Second Annual Donor Symposium, Chicago, IL, 04/01/2013

Castro AL, Cobert J, Lamb D, Horres R, Madsen G, Nelsen D, Udani A, Grantham A, Malinzak E., Improving the experience for residents and medical students working together in the ORs., Duke University Department of Anesthesiology Academic Evening, Durham, NC, 05/01/2019

## MCW TEACHING ACTIVITIES:

### Graduate Student Education

2026 Introduction to Regional Anesthesia (Medical Student Lecture)

### Resident and Fellow Education

12/2020 - 08/2025 Curriculum Champion for Regional Anesthesiology Rotation, Division of Regional Anesthesia, Department of Anesthesiology, The Medical College of Wisconsin, Milwaukee, WI
04/2021 - 07/2025 Faculty Contact for Plastic Surgery Resident Rotation on Anesthesiology, Department of Anesthesiology, The Medical College of Wisconsin, Milwaukee, WI
2022 - 2026 Preoperative Cardiac Evaluation for Non-Cardiac Surgery (Intern Lecture)
2022 Intern Boot Camp: Post-Anesthesia Care PBLD
2022 - 2026 Regional Anesthesia Board Review Topics (CA-1 Class Lecture)
2022 CA-1 Regional Anesthesia Ultrasound Half-Day Workshop
2023 - 2024 Faculty Facilitator for CA-3 OSCE Simulation Half-Day
2023 PGY-1 Anesthesia CVL Simulation Half-Day Workshop (Faculty Facilitator)
2023 - 2024 Head and Neck Blocks; Regional Anesthesia and the Coagulopathic Patient (PBLD)
2023 CA-2/3 Lecture: Regional Anesthesia Oral Boards Review
2023 CA-2/3 Regional Lectures: Ultrasound for Neuraxial Anesthesia
11/2024 Reviewer: MCW Honors in Research Proposals
2024 Transition from Acute to Chronic Pain (RAAPS Fellow Lecture)
2024 - 2025 Trauma and Rib Fractures (RAAPS Fellow Lecture)
2024 - 2026 CA-1 Regional Anesthesia Ultrasound Half-Day Workshop
2024 Anatomy and Physiology Pain Transmission Pathways (RAAPS Fellow Lecture)
2024 CA-1 Boot Camp: Local Anesthetic Systemic Toxicity PBLD
01/2025 Reviewer: MARC Submissions
11/2025 Reviewer: MCW Honors in Research Proposals
2025 Intravenous Sedation in the ICU (RAAPS Fellow Lecture)
2025 Grand Rounds: Oral Boards Practice. Zundel T, Makker H, Richardson A, Hang D, and Castro AL
2025 Intern Boot Camp: Inhalational Agents and Neuromuscular Blockade
2025 Opioid Adverse Effects and Management (RAAPS Fellow Lecture)
2025 Local Anesthetic Pharmacology (RAAPS Fellow Lecture)
2025 Nerve Blocks in the Trauma Patient (RAAPS Fellow Lecture)
2025 Post-Dural Puncture Headache (RAAPS Fellow Lecture)
2025 Acute Pain Management of the Opioid-Tolerant Patient (RAAPS Fellow Lecture)
01/2026 Reviewer: MARC Submissions
2026 CA-1 Bootcamp Simulation Facilitator
2026 Faculty Facilitator for CA-3 OSCE Simulation Half-Day
2026 Pregnancy Physiology, Jeopardy-Style Didactic for CA-2/3

## MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

### Medical Students

2021 - 2024 Tyler Griebel (Fellow); Geoffrey Rodriguez (MS4); Ali Qureshi (MS4), Faculty Mentor, Medical College of Wisconsin, Clinical Case Presentations: National. Each presented a poster at a national meeting

2022 Peter Holms (M1), Clinical Mentor, Medical College of Wisconsin, Medical Student Clinical Apprenticeship

2022 - 2024 Ali Hemyari, MD; Helina Feleke (MS2); Geoffrey Rodriguez (MS2); Ali Qureshi (MS2), Faculty Mentor, Medical College of Wisconsin, Clinical Case Presentations: Regional: Each presented oral presentations at MARC

2022 Helina Feleke (MS2), Faculty Mentor, Medical College of Wisconsin, Medical Student Summer Research Program: Presented at MCW Research Day

2024 Helina Feleke (MS4), Faculty Mentor, Medical College of Wisconsin, Honors in Research Concentration: 2 national poster presentations; manuscript submitted

01/2025 - Present Taha Kothari (MS3), Faculty Mentor, Medical College of Wisconsin, Research Elective: Research in progress

**Residents**

2021 - Present Cain Stark, MD; Rasheed Richards, MD; Karla Romero-Chacon, MD; Rosemary Thomas, MD, Mentor, Medical College of Wisconsin, Anesthesia Faculty Mentorship Program: Career planning, academic advising

2021 - 2026 Bidanjiri, Spitler, Barta; George, Duvall, Sheth, Gupta; Karwowski, Reaney, Cucak, Faculty Mentor for CA2 QI, Medical College of Wisconsin, Quality Improvement Projects: Presented at Grand Rounds each year

2021 - 2026 Fan Yang, MD; Kian Bidanjiri, MD; Evan German, MD, Faculty Mentor, Medical College of Wisconsin, Morbidity and Mortality Conference: Presentations at Anesthesia Grand Rounds

## PROGRAMMATIC DEVELOPMENTS:

**Educational Programs**

**Resident**

12/2020 - 08/2025 RAAPS Resident Curriculum. Designed regional anesthesia and acute pain curriculum for anesthesia residency, identifying core topics from the American Board of Anesthesiology content outline and planning didactic sessions, a regional ultrasound workshop, and in-rotation curricula to cover all core topics across four years of training.

03/2024 - Present Revision of Residency Program Evaluations. Utilizing feedback from rotation directors and residents to develop concise evaluations that provide residents with actionable, specific, milestone-based feedback on their performance.

## COMMUNITY SERVICE ACTIVITIES:

08/2011 - 06/2012 Community Health Clinic, Volunteer Coordinator

08/2011 - 06/2012 Maria Shelter, Volunteer

08/2011 - 06/2012 HIV Intervention and Prevention Corps, Member

08/2014 - 05/2015 SERVE Elective Participant, University of Chicago Pritzker School of Medicine

## LANGUAGES SPOKEN:

English (native speaker), Spanish (fluent)

## PROFESSIONAL DEVELOPMENT:

01/2022 Society for Education in Anesthesia Workshop on Teaching: National society workshop focused on identifying strengths and improving teaching and leadership skills

## BIBLIOGRAPHY

**Refereed Journal Publications/Original Papers**

1. Castro AL, Gustafson E, Ford A, Smith D, Hunter S, Karnik NS. Psychiatric Disorders, High-Risk Behaviors, and Chronicity of Episodes Among Predominantly African American Homeless Chicago Youth.

Journal of Health Care for the Poor and Underserved 2014;25:1201-1216.

2. Castro AL, Chen C, Bronshteyn Y, Ray N, Gadsden J. A Case Report of Bilateral Phrenic Nerve Dysfunction After Unilateral Supraclavicular Brachial Plexus Block: Unveiling Preexisting Diaphragmatic Dysfunction. A A Pract. 2021 Mar 30;15(4):e01430. doi: 10.1213/XAA.0000000000001430. PMID: 33783377.
3. Castro AL, Makker H, Gonzalez L, Jensen A, Tarima S, Pagryzinski A, Thapa R, Qureshi A, Fadumiye C, Weierstahl K, Pearson P, Freed J. Pecto-intercostal fascial plane block with or without rectus sheath block in cardiac surgery: a prospective, randomized, double-blind placebo-controlled study. BMJ Reg Anesth Pain Med. 2025 Sep 21:rapm-2025-106954. doi: 10.1136/rapm-2025-106954. PMID: 40983372.

**Books, Chapters, and Reviews**

1. Rambhia M, Castro AL; Regional Analgesia for ERAS in Anesthesiology In-Training Review, Springer; Banik R, Ed. Accepted for publication.
2. Castro AL. Hyperthyroidism, Hypothyroidism, Thyroid Resection Considerations, and Parathyroid Resection. In: Anaesthesiology Oral Board: A Comprehensive Review. Abd-Elsayed A, Schroeder K, Eds. Under Review.

**Non-Peer Reviewed Educational Products**

1. Castro AL, McDonald D. Exam 62, July 2024. Reblay app for interactive medical education, Reblay Publishing. www.reblay.com/exams
2. Castro AL. Cerebral Salt Wasting versus SIADH. DocNeuro.com. November 13, 2013.